

AMENDMENT TO THE SPECIFICATION

Please amend paragraph [0049] of the Specification as follows:

[0050] In this case, the encryption/decryption key required for each round is inputted from the key schedule unit 202. Moreover, the block round unit 203 carries out the calculation of all rounds before the next block data is transferred from the control unit 201. This is because the hardware structure that the control unit 201, key schedule unit 202, and block round unit 203 are preferably constructed with logic gates so as to enable a real-time processing. Alternatively, other programmable logic devices ~~or software processing~~ known to one of ordinary in the art may also be substituted.